

WHAT IS CLAIMED IS:

1. A method of handling errors arising from parameter write messages for a Fieldbus device, said method comprising:

detecting a group of said parameter write messages that occur closer together than operator initiated parameter write messages; and

suppressing a communication of errors arising from said group of parameter write messages or a rejection of a parameter write operation, wherein said rejection results from any of said errors arising from said group of parameter write messages.

2. The method of claim 1, further comprising setting a load-mode indicator ON for said group of parameter write messages, and wherein said communication of errors or said rejection of a parameter write operation is suppressed in response to said load-mode indicator being ON.

3. The method of claim 2, wherein said load-mode indicator is set ON and OFF based on a comparison of the times of occurrence of a current parameter write message and a previous parameter write message with a time interval, and wherein said time interval is less than a time period between said operator initiated parameter write messages.

4. The method of claim 1, further comprising the steps of performing consistency checks of a database of said parameters for errors after said group of parameter write messages has ended; and requesting notification of said consistency check errors.

5. The method of claim 4, wherein at least one of said consistency check errors is a configuration error.

6. A Fieldbus device comprising:

a processor, a memory and a load mode identifier that handles errors resulting from parameter write messages, said load identifier performing the operations of:

detecting a group of said parameter write messages that occur closer together than operator initiated parameter write messages; and

suppressing a communication of errors arising from said group of parameter write messages or a rejection of a parameter write message, wherein said rejection results from any of said errors arising from said group of parameter write messages.

7. The Fieldbus device of claim 6, wherein the load identifier further performs the operation of setting a load-mode indicator ON for said group of parameter write messages, and wherein said communication of errors or said rejection of a parameter write message is suppressed in response to said load-mode indicator being ON.

8. The Fieldbus device of claim 7, wherein said load-mode indicator is set ON and OFF based on a comparison of the times of occurrence of a current parameter write message and a previous parameter write message with a time interval, and wherein said time interval is less than a time period between said operator initiated parameter write messages.

9. The Fieldbus device of claim 6, wherein the load identifier further performs consistency checks of a database of said parameters for errors after said group of parameter write messages has ended; and requests notification of said consistency check errors.

10. The Fieldbus device of claim 9, wherein at least one of said consistency check errors is a configuration error.